



PATENT
ATTORNEY DOCKET NO.: 04558.039001
U.S. PATENT APPLICATION SERIAL NO.: 09/462,109

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : HIROSE
Serial No.: 09/462,109
Filed : 12/30/99
Title : Composite Reverse Osmosis Membrane
and Method for Producing Same

Art Unit : 1771
Examiner : Roche, L.

Assistant Commissioner for Patents
Washington, DC 20231

1-31-02
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TC 1700

REPLY UNDER 37 CFR § 1.116

Dear Sir:

In response to the Office Action dated November 5, 2001, the Applicant submits the following reply.

CLAIMS

Please amend the claims as follows [**a marked up version of the claims is provided as Appendix A**]:

1. (Twice Amended) A composite reverse osmosis membrane comprising:
a porous support; and
a polyamide skin layer formed on the porous support, wherein the contact angle between the polyamide skin layer surface and water is no more than 45°, sodium chloride rejection is at least 98%, and the permeate flow rate is at least 0.5 m³/m²day when evaluated by using feed water which has pH 6.5, 0.05 weight % of salt, an operation pressure of 5kgf/cm² and a temperature of 25°C.

*Do Not
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JAN 29/02*

AF/170

AMENDMENT TRANSMITTAL LETTER (Large Entity)

Applicant(s): Masahiko HIROSE et al.

Docket No.

04558/039001

Serial No.
09/462,109Filing Date
December 30, 1999Examiner
L. RocheGroup Art Unit
1771

Invention: COMPOSITE REVERSE OSMOSIS MEMBRANE AND METHOD FOR PRODUCING SAME



TO THE ASSISTANT COMMISSIONER FOR PATENTS:

Transmitted herewith is an amendment in the above-identified application.

The fee has been calculated and is transmitted as shown below.

CLAIMS AS AMENDED

	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST # PREV. PAID FOR	NUMBER EXTRA CLAIMS PRESENT	RATE	ADDITIONAL FEE
TOTAL CLAIMS	4 -	20 =	0	x \$18.00	\$0.00
INDEP. CLAIMS	1 -	3 =	0	x \$84.00	\$0.00
Multiple Dependent Claims (check if applicable)	<input type="checkbox"/>				
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT					\$0.00

No additional fee is required for amendment.

Please charge Deposit Account No. in the amount of
A duplicate copy of this sheet is enclosed.

A check in the amount of to cover the filing fee is enclosed.

The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 50-0591
A duplicate copy of this sheet is enclosed.

Any additional filing fees required under 37 C.F.R. 1.16.

Any patent application processing fees under 37 CFR 1.17.

Signature

Dated: 1/16/02

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I certify that this document and fee is being deposit d
on JANUARY 7, 2002, with the U.S. Postal Service as
first class mail under 37 C.F.R. 1.8 and is addressed to the
Assistant Commissioner for Patents, Washington, D.C.
20231.

Signature of Person Mailing Correspondence

Wendy Hippie
Typed or Printed Name of Person Mailing Correspondence